

METHODS FOR EMBOSSING AND EMBOSSED ARTICLES FORMED THEREBY

Abstract of Disclosure

A method for manufacturing an embossed surface comprising a polymer with a first glass transition temperature Tg_1 comprises embossing the surface a temperature T_{emb} ; and raising the first glass transition temperature Tg_1 of the embossed polymeric surface to a second glass transition temperature Tg_2 such that $Tg_2 > T_{emb}$. In another embodiment, a method for improving the release of a polymeric surface from an embossing tool comprises incorporating of one or more of fluorine atoms, silicon atoms, or siloxane segments into the backbone of polymer. The methods are particular suited for direct patterning of photoresists, fabrication of interdigitated electrodes, and fabrication of data storage media.

Figures

Figure 1: A vertical strip of text, likely a page number or identifier, located on the left side of the page.